Technical Data Sheet

PE Mouse Anti-Human CD17

Product Information

Material Number: 566012
Alternate Name: Lactosylceramide; LacCer
Size: 50 Tests
Vol. per Test: 5 µl
Clone: G035
Isotype: Mouse IgM, κ
Reactivity: QC Testing: Human
Workshop: II WM-2 94; III 330; IV M13
Storage Buffer: Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.

Description

The G035 monoclonal antibody specifically binds to CD17, which is also known as Lactosylceramide (LacCer). CD17 is synthesized from glucosylceramide and is a common precursor of various glycosphingolipids. CD17 is primarily expressed mainly by neutrophils, but also in basophils, monocytes, platelets, a subset of B cells and dendritic cells. CD17 plays roles in a variety of cellular functions including metabolism, homotypic adhesion, differentiation, development, apoptosis, binding of bacteria, and phagocytosis.

Flow cytometric analysis of CD17 expression on human peripheral blood granulocytes and monocytes. Human whole blood was stained with either PE Mouse IgM, κ Isotype Control (Cat. No. 555584; dashed line histograms) or PE Anti-Human CD17 antibody (Cat. No. 566012; solid line histograms). Erythrocytes were lysed with BD Pharm Lyse™ Lysing Buffer (Cat. No. 555899). Flow cytometric analysis was performed using a BD LSRFortessa™ Cell Analyzer System.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>555584</td>
<td>PE Mouse IgM, κ Isotype Control</td>
<td>100 Tests</td>
<td>G155-228</td>
</tr>
</tbody>
</table>

BD Biosciences

For country contact Information, visit bdbiociences.com/contact

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton, Dickinson and Company is strictly prohibited.

BD and the BD Logo are trademarks of BD. For Research Use Only. Not for use in diagnostic or therapeutic procedures. For Resale. Unless otherwise noted, BD, BD Logo and all other trademarks are property of Becton, Dickinson and Company. © 2015 BD

566012 Rev. 1
Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
6. An isotype control should be used at the same concentration as the antibody of interest.

References


